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09/870,937

FORM PTO-1449 (REV.7-80)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.	APPLICATION NO.
200130.514/PP-01623.002	09/870,937

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS	
Bin Wu et al.	
FILING DATE	GROUP ART UNIT
May 30, 2001	~~1641~~ 1639

#6

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	TRANSLATION NO
DJ	AC	WO 98/06437	02/19/98	~~WIPO~~ PCT		
DJ	AD	WO 99/08711	02/25/99	~~WIPO~~ PCT		
DJ	AE	WO 01/16306 A2	03/08/01	~~WIPO~~ PCT		

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

DJ	AF		Banin et al., "Enhanced Phosphorylation of p53 by ATM in Response to DNA Damage," *Science 281*(5383):1674-1677, September 11, 1998.
DJ	AG		Boulton et al., "Wortmannin is a Potent Inhibitor of DNA Double Strand Break but not Single Strand Break Repair in Chinese Hamster Ovary Cells," *Carcinogenesis (Lond.) 17*(11):2285-2290, November 1996.
DJ	AH		Canman et. al., "Activation of the ATM Kinase by Ionizing Radiation and Phosphorylation of p53," *Science 281*(5383):1677-1679, September 11, 1998.
DJ	AI		Chen et al., "Identification of Ataxia Telangiectasia Heterozygotes, a Cancer Prone Population," *Nature 274*(5670):484-486, August 3, 1978.
DJ	AJ		Chernikova et al., "Wortmannin Sensitizes Mammalian Cells to Radiation by Inhibiting the DNA-dependent Protein Kinase-Mediated Rejoining of Double-strand Breaks," *Radiation Research 151*(2):159-166, February 1999.
DJ	AK		Cox et al., "Tumour Suppressors, Kinases and Clamps: how p53 Regulates the Cell Cycle in Response to DNA Damage," *Bioessays 17*(6):501-508, June 1995.
DJ	AL		El-Deiry "Regulation of p53 Downstream Genes," *Seminars in Cancer Biology 8*(5):345-357, 1998.
DJ	AM		Elledge et al., "A Question of Balance: The Role of Cyclin-Kinase Inhibitors in Development and Tumorigenesis," *Trends in Cell Biology 6*:388-393, October 1996
DJ	AN		Fiscella et al., "Mutation of the Serine 15 Phosphorylation Site of Human p53 Reduces the Ability of p53 to Inhibit Cell Cycle Progression," *Oncogene 8*(6):1519-1528, June 1993.

EXAMINER	DATE CONSIDERED
David Jamberstan	4/19/03

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	BA						
	BB						

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	BC					
	BD					

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

DJ	BE		Haupt et al., "Mdm2 Promotes the Rapid Degradation of p53," *Nature 387*(6630):296-299, May 15, 1997.
	BF		Hendry et al., "P53 Deficiency Produces Fewer Regenerating Spermatogenic Tubules after Irradiation," *International J. of Radiation Biology 70*(6):677-682, December 1996.
DJ	BG		Hosoi et al., "A Phosphatidylinositol 3-Kinase Inhibitor Wortmannin Induces Radioresistant DNA Synthesis and Sensitizes Cells to Bleomycin and Ionizing Radiation," *International J. of Cancer 78*(5):642-647, November 23, 1998.
DJ	BH		Huang et al., "Lipitoids—novel Cationic Lipids for Cellular Delivery of Plasmid DNA *in vitro*," *Chemistry & Biology 5*(6):345-354, June 1998.
DJ	BI		Kastan et al., "A Mammalian Cell Cycle Checkpoint Pathway Utilizing p53 and GADD45 is Defective in Ataxia-Telangiectasia," *Cell 71*(4):587-597, November 13, 1992.
DJ	BJ		Keith et al., "PIK-related Kinases: DNA Repair, Recombination, and Cell Cycle Checkpoints," *Science 270*(5233):50-51, October 6, 1995.
DJ	BK		Kim et al., "Substrate Specificities and Identification of Putative Substrates of ATM Kinase Family Members," *J. Biol. Chem. 274*(53):37538-37543, December 31, 1999.
DJ	BL		Komarova et al., "Could p53 be a Target for Therapeutic Suppression?," *Semin. Cancer Biol. 8*(5):389-400, 1998.
DJ	BM		Komarova et al., "Transgenic Mice with p53-Responsive lacZ: p53 Activity Varies Dramatically During Normal Development and Determines Radiation and Drug Sensitivity *in vivo*," *EMBO J. 16*(6):1391-1400, 1997

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	CD					
	CE					

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DJ	CF		Kubbutat et al., "Regulation of Mdm2-directed Degradation by the C Terminus of p53," *Molecular and Cellular Biology 18*(10):5690-5698, October 1998.
DJ	CG		Kubbutat et al., "Regulation of p53 Stability by Mdm2," *Nature 387*(6630):299-303, May 15, 1997.
DJ	CH		Lehmann et al., "Miscellaneous Observations on DNA Repair in Ataxia-Telangiectasia," in Bridges and Harnden (eds.), *Ataxia-Telangiectasia – A Cellular and Molecular Link Between Cancer, Neurophathology and Immune Deficiency*, John Wiley and Sons, New York, 1982, pp. 347-353.
DJ	CI		Lowe et al., "p53-Dependent Apoptosis Modulates the Cytotoxicity of Anticancer Agents," *Cell 74*(6):957-967, September 24, 1993.
DJ	CJ		Lu et al., "Differential Induction of Transcriptionally Active p53 Following UV or Ionizing Radiation: Defects in Chromosome Instability Syndromes?," *Cell 75*(4):765-778, November 19, 1993.
DJ	CK		Matsuoka et al., "Linkage of ATM to Cell Cycle Regulation by the Chk2 Protein Kinase," *Science 282*(5395):1893-1897, December 4, 1998.
DJ	CL		Momand et al., "The *mdm-2* Oncogene Product Forms a Complex with the p53 Protein and Inhibits p53-Mediated Transactivation," *Cell 69*(7):1237-1245, June 26, 1992.
DJ	CM		Nagase et al., "Prediction of the Coding Sequences of Unidentified Human Genes. V. The Coding Sequences of 40 New Genes (KIAA0161-KIAA0200) Deduced by Analysis of cDNA Clones from Human Cell Line KG-1," *DNA Research 3*(1):17-24, February 29, 1996.

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	DB					
	DC					

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DJ	DD		Oliner et al., "Oncoprotein MDM2 Conceals the Activation Domain of Tumour Suppressor p53," *Nature 362*(6423):857-860, April 29, 1993.
DJ	DE		Powis et al., "Wortmannin, a Potent and Selective Inhibitor of Phosphatidylinositol-3-Kinase," *Cancer Research 54*(9):2419-2423, May 1, 1994.
DJ	DF		Price et al., "The Phosphatidylinositol 3-Kinase Inhibitor Wortmannin Sensitizes Murine Fibroblasts and Human Tumor Cells to Radiation and Blocks Induction of p53 Following DNA Damage," *Cancer Research 56*(2):246-250, January 15, 1996.
DJ	DG		Rogel et al., "p53 Cellular Tumor Antigen: Analysis of mRNA Levels in Normal Adult Tissues, Embryos, and Tumors," *Molecular and Cellular Biology 5*(10):2851-2855, October 1985.
DJ	DH		Rosenzweig et al., "Radiosensitization of Human Tumor Cells by the Phosphatidylinositol 3-Kinase Inhibitors Wortmannin and LY294002 Correlates with Inhibition of DNA-Dependent Protein Kinase and Prolonged G2-M Delay," *Clinical Cancer Research 3*(7):1149-1156, July 1997.
DJ	DI		Savitsky et al., "A Single Ataxia Telangiectasia Gene with a Product Similar to PI-3 Kinase," *Science 268*(5218):1749-1753, June 23, 1995.
DJ	DJ		Sarkaria et al., "Inhibition of Phosphoinositide 3-Kinase Related Kinases by the Radiosensitizing Agent Wortmannin," *Cancer Research 58*(19):4375-4382, October 1, 1998.
DJ	DK		Schmid et al., "Expression of p53 During Mouse Embryogenesis," *Development 113*(3):857-865, November 1991.
DJ	DL		Schwartz et al., "Expression of p53 Protein in Spermatogenesis is Confined to the Tetraploid Pachytene Primary Spermatocytes," *Oncogene 8*(6):1487-1494, June 1993.

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	ED					
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DJ	EF		Sherr, "Cancer Cell Cycles," *Science 274*(5293):1672-1677, December 6, 1996.
DJ	EG		Shieh et al., "DNA Damage-Induced Phosphorylation of p53 Alleviates Inhibition by MDM2," *Cell 91*(3):325-334, October 31, 1997.
DJ	EH		Siliciano et al., "DNA Damage Induces Phosphorylation of the Amino Terminus of p53," *Genes & Development 11*:3471-3481, 1997.
DJ	EI		Tron et al., "p53-Regulated Apoptosis is Differentiation Dependent in Ultraviolet B-Irradiated Mouse Keratinocytes," *American J. of Pathology 153*(2):579-585, August 1998.
DJ	EJ		Wang et al., "Loss of p21 Increases Sensitivity to Ionizing Radiation and Delays the Onset of Lymphoma in *atm*-Deficient Mice," *P.N.A.S. USA 94*:14590-14595, December 1997.
DJ	EK		Weinert et al., "The *RAD9* Gene Controls the Cell Cycle Response to DNA Damage in *Saccharomyces Cerevisiae*," *Science 241*(4863):317-322, July 15, 1988.
DJ	EL		Westpahl et al., "*atm* and *p53* Cooperate in Apoptosis and Suppression of Tumorigenesis, but not in Resistance to Acute Radiation Toxicity," *Nature Genetics 16*(4):397-401, August 1997.
DJ	EM		Wymann et al., "Wortmannin Inactivates Phosphoinositide 3-Kinase by Covalent Modification of Lys-802, a Residue Involved in the Phosphate Transfer Reaction," *Molecular and Cellular Biology 16*(4):1722-1733, April 1996.

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